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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,867	08/19/2003	Troy Erik Olson	8473.8.6.1	7671
22859	7590	07/15/2004	EXAMINER	
INTELLECTUAL PROPERTY GROUP			BLANKENSHIP, GREGORY A	
FREDRIKSON & BYRON, P.A.			ART UNIT	
200 SOUTH SIXTH STREET			PAPER NUMBER	
SUITE 4000			3612	
MINNEAPOLIS, MN 55402			DATE MAILED: 07/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/645,867	OLSON, TROY ERIK
Examiner	Art Unit	
Greg Blankenship	3612	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1)  Responsive to communication(s) filed on \_\_\_\_.  
 2a)  This action is **FINAL**.                    2b)  This action is non-final.  
 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4)  Claim(s) 1-21 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.  
 5)  Claim(s) \_\_\_\_ is/are allowed.  
 6)  Claim(s) 1-5 and 10-21 is/are rejected.  
 7)  Claim(s) 6-9 is/are objected to.  
 8)  Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9)  The specification is objected to by the Examiner.  
 10)  The drawing(s) filed on 19 August 2003 is/are: a)  accepted or b)  objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a)  All    b)  Some \* c)  None of:  
 1.  Certified copies of the priority documents have been received.  
 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
 3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1)  Notice of References Cited (PTO-892)  
 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date 15/04/17/04.

4)  Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_.  
 5)  Notice of Informal Patent Application (PTO-152)  
 6)  Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Objections*

1. Claims 15-19 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claims 14-18 do not limit their parent claims since no additional step of assembly is claimed, thus any structure that meets the limitations of claim 14 is capable of meeting these limitations.

Claim 19 is the same as claim 14 from which it depends and thus does not further limit claim 14.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 15-19 and 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 15-18 are directed to steps of disassembly, which is contradictory to the "method of assembly" claimed in claims 11 and 14 from which they depend.

Claims 19 and 21 are not clearly understood since "the rollover protective structure" lacks clear antecedent basis and it can only be assumed that it is intended to refer to the claimed "overhead frame structure".

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-5 and 10-21 are rejected under 35 U.S.C. 102(b) as being anticipated by O'Neill et al. (6,149,228).

O'Neill et al. disclose a roll-bar structure attached to a vehicle. The roll-bar structure is made of side frames (28,30,36) that have corrugated protrusions (84,94) that face each other. The side frames (28,30,36) are connected to one another by cross members (32,34) that have end portions for connecting to the protrusions (84,94). Bolts (100) are shown to secure the cross members to the protrusions. The lower ends of vertical members (28, 30) connect to the vehicle frame. The protrusions (84,94) are located in the corners where the vertical members (28,30) and the horizontal members (36) meet.

***Allowable Subject Matter***

6. Claims 6-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Blankenship whose telephone number is (703) 305-0223.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**

Assistant Commissioner for Patents

Washington, D.C. 20231

**Or faxed to:**

(703) 872-9306, (for formal communications intended for entry)

**or:**

(703) 746-3511, (for informal or draft communications, please clearly label "FOR DISCUSSION PURPOSES ONLY", "PROPOSED" or "DRAFT")

gab  
July 12, 2004



A handwritten signature in black ink, appearing to read "D. Glenn Dayan". To the right of the signature is a handwritten date "7/12/04".

D. GLENN DAYAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600